

Course Detailed Description – Procedures of the Course Plan Committee /Faculty of Pharmacy	QF02/0408–2.1E
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Department	Pharmacy
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Course Name	Pharmaceutics-2	Course No.	٠٢٠١٢٢٢
Prerequisite	201221	Credit Hours	2
Number & date of course plan approval	2010/2011	Brief Description	See form QF02/0409

Course Objective	Provide students with knowledge about different dosage forms, their formulations, advantages and disadvantages.		
Intended Learning Outcomes	<ol style="list-style-type: none"> 1. This course provides the students with information on different dosage forms with respect to their formulation techniques, uses, storage and dispensing instructions. 2. The information that the students will acquire from this course will enable them to differentiate one dosage form another and they will be able to compound them. 3. At the end of this course, the students will be ready to study advanced courses in this field. 		
Course Topics	<ol style="list-style-type: none"> 1. This course teaches the definitions of different dosage forms. 2. Then specifically discussing liquid and powder dosage forms with respect to their characteristics, methods of preparation, uses and advantages over other dosage forms. 3. It provides information on the ingredients and raw materials that are involved in the specific dosage forms. 		
Text Books	<ol style="list-style-type: none"> 1. R1- Pharmaceutical practice, by: A. J. Winfield and R. M. E. Richards, 3rd edition, 2004. 2. R2- Pharmaceutics; The Design and Manufacture of Medicines, by: M. E. Aulton. Third edition, 2007. 		
References	<ol style="list-style-type: none"> 1. British Pharmacopeia, 2010. 2. Remington's:- The science and practice of Pharmacy, 21st ed, 2006. 3. Martindal Extra Pharmacopeia, 2009. 		
Grade Determination	1 st Exam = 25% 2 nd Exam = 25% Final Exam = 50%	Practical Course Grade Determination	Course Work = 50% (Reports, Term Papers, Quizes) Final Exam = 50%

Course Outline				
Week	Hours	Subjects	Chapters in Textbook	Notes
1	1 1 1	Definitions of some pharmaceutical dosage forms and drug delivery systems.	R1 (21) R2 (1)	
2	1 1 1	Definitions of some pharmaceutical dosage forms and drug delivery systems.	R1 (21) R2 (1)	
3	1 1 1	Solutions: Advantages and disadvantages as dosage form, some solvents used in preparation of aqueous solutions, classifications and examples.	R1 (30) R2 (25)	
4	1 1 1	Solutions: Advantages and disadvantages as dosage form, some solvents used in preparation of aqueous solutions, classifications and examples.	R1 (30) R2 (25)	
5	1 1 1	Suspensions: Factors affecting sedimentation rate, types of thickening agents, flocculated and deflocculated suspensions, preparation and evaluation.	R1 (31) R2 (27)	
6	1 1 1	Suspensions: Factors affecting sedimentation rate, types of thickening agents, flocculated and deflocculated suspensions, preparation and evaluation.	R1 (31) R2 (27)	
7	1 1 1	Emulsions: Pharmaceutical applications, types, surfactants, methods of preparation and special problems.	R1 (31) R2 (27)	
8	1 1 1	Emulsions: Pharmaceutical applications, types, surfactants, methods of preparation and special problems.	R1 (31) R2 (27)	
9	1 1 1	Powders and granules: Advantages and disadvantages, types, special problems and effervescent granules.	R1 (35) R2 (28)	
10	1 1 1	Oral unit dosage forms: Tablets and capsules (soft gelatin and hard gelatin).	R1 (36) R2 (31,35)	
11	1 1 1	Oral unit dosage forms: Tablets and capsules (soft gelatin and hard gelatin).	R1 (36) R2 (31,35)	
12	1 1 1	Packaging, storage and stability of medicine	R1 (27) R2 (42)	
13	1 1 1	Packaging, storage and stability of medicine	R1 (27) R2 (42)	



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14	1	Labeling of dispensed medicines	R1 (28)	
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15	1	Storage of medicines and waste disposal	R1 (43)	
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Approved by Dept. Chair		Date of Approval	
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Extra Information: (Updated every semester and filled by course instructor)

Course Instructor	Dr. Nouf Mahmoud
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Office hours	11-12 (Mon, Tue) 12-2 (Sun, Tue, Thu)